

REMARKS

Claims 1-3, 5, 6, 10, 21-23, 25-28, and 30-38 are pending in the application. Claims 4, 7, and 29 have been canceled. New claims 30-38 have been added.

Claim Rejections - 35 U.S.C. § 103

(a) Claims 1, 5, 6, 10, 22, 23, and 26-28 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Fukasawa et al. (USP 6,638,780) in view of Chen (USP 4,914,731) and Sommers (US 2003/0180037). This rejection is respectfully traversed.

Independent claims 1, 6, and 23 have been amended to include:

a claw extending from the single reflector for mounting the single reflector on the circuit board, the claw having a horizontal arm, a first end of which being attached directly to an external side surface of the single reflector, and a vertical arm that extends from a second end, opposite to the first end, of the horizontal arm and penetrating through the circuit board, the vertical portion having an engagement portion that engages with a rear surface of the circuit board.

Such a feature is disclosed in Figs. 2 and 4 of the present application as element 26.

Upon rejecting claim 29, which is directed to the “claw” feature of the present invention, the Examiner acknowledges that Fukasawa, Chen, and Sommers fail to disclose or suggest such a feature. Therefore, the Examiner relies on the Wu reference and alleges that it discloses a claw having a horizontal section and a vertical section extending from one end of the horizontal section and provided with a claw. Applicants respectfully submit that the claimed invention of the present application, as recited in claims 1, 6, and 23, is different from the combination of the foregoing references at least for the following reasons.

Wu discloses, in Fig. 1B, a reflector portion 32 having a pair of locking tabs 35. Each locking tab 35 has a vertical arm that extends from a bottom surface of the reflector portion 32 that extends through a hole defined by a printed circuit board 22, and a triangular engaging portion that engages with a rear surface of the printed circuit board 22.

Wu, however, does not have “a horizontal arm, a first end of which being attached directly to an external side surface of the single reflector, and a vertical arm that extends from a second end, opposite to the first end, of the horizontal arm,” as recited in claim 1.

Therefore, even assuming that Fukasawa, Chen, Sommers, and Wu can be combined, which Applicants do not admit, one skilled in the art would, at best, modify Fukasawa in view of Chen and Sommers by providing the locking tab 35 of Wu that extends from the bottom surface of the reflector, and would not conceive the “horizontal arm . . . being attached directly to an external side surface of the single reflector” and the “vertical arm that extends from a second end . . . of the horizontal arm.”

Claims 5, 22, and 26, dependent on claim 1, are allowable at least for their dependency on claim 1.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

(b) Claim 2 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Fukasawa, Chen, and Sommers, and further in view of Koay et al. (US 2002/0047130). This rejection is respectfully traversed.

Claim 2, dependent on claim 1, is allowable at least for its dependency on claim 1.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

(c) Claims 3, 4, and 7 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Fukasawa, Chen, and Sommers, and further in view of Kitano et al. (US 2002/0216151). This rejection is respectfully traversed.

Claims 3, dependent on claim 1, is allowable at least for its dependency on claim 1.

Claims 4 and 7 have been canceled.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

(d) Claims 21, 25, and 29 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Fukasawa, Chen, and Sommers, and further in view of Wu (USP 6,481,130). This rejection is respectfully traversed.

Claim 21, dependent on claim 1, is allowable at least for its dependency on claim 1.

Claim 25, dependent on claim 6, is allowable at least for its dependency on claim 6.

Claim 29 has been canceled.

The Examiner is respectfully requested to reconsider and withdraw this rejection.

New Claims

New claims 30-32, dependent on claims 1, 6, and 23, respectively, have been added.

These claims are allowable at least for their dependency on an independent claim.

Further, new claims 33 and 34, 35 and 36, and 37 and 38 are allowable at least for their dependency on claims 1, 6, and 23, respectively. Support for these claims can be found in page 7, line 23 - page 8, line 6 of the specification.

By the features recited in claims 34, 36, and 38, it is possible to efficiently mix the lights emitted from the red, green, and blue LEDs.

A favorable determination by the Examiner and allowance of these claims is earnestly solicited.

Conclusion

Accordingly, in view of the above amendments and remarks, reconsideration of the rejections and allowance of the pending claims in the present application are respectfully requested.


The Examiner is respectfully requested to enter this Amendment After Final in that it raises no new issues. Alternatively, the Examiner is respectfully requested to enter this Amendment After Final in that it places the application in better form for Appeal.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Maki Hatsumi Reg. No. 40/417 at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37.C.F.R. §§1.16 or 1.147; particularly, extension of time fees.

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Respectfully submitted,

for By  (Reg. # 40,417)
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